

Wang Engineering
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BORING LOG SGB-025 Page 1 of 1

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 735.35 ft
 North: 1789627.57 ft
 East: 1116013.67 ft
 Station: 88+11.67
 Offset: 51.47 RT

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 734.9 | 6-inch thick, brown SILTY CLAY --TOPSOIL-- Very stiff to hard, brown and gray SILTY CLAY, trace gravel | 0 | 1 | 4 4 3 | 3.00 | 25 | | | | | | | |
| | | 1.5 | 2 | 4 5 5 | 4.50 | 18 | | | | | | | |
| | | 3.0 | 3 | 4 5 5 | 4.50 | 18 | | | | | | | |
| | | 4.5 | 4 | 4 6 10 | 4.50 | 20 | | | | | | | |
| | | 6.0 | 5 | 8 10 12 | 4.50 | 19 | | | | | | | |
| 725.4 | Boring terminated at 10.00 ft | 10.0 | | | | | | | | | | | |

| | | | | | | | |
|----------------------|--|-------------------|------------|---|-----|--|--|
| GENERAL NOTES | | | | WATER LEVEL DATA | | | |
| Begin Drilling | 11-17-2010 | Complete Drilling | 11-17-2010 | While Drilling | DRY | | |
| Drilling Contractor | WTS | Drill Rig | B-57 TMR | At Completion of Drilling | DRY | | |
| Driller | R&J | Logger | B. Wilson | Time After Drilling | NA | | |
| Checked by | C. Marin | | | Depth to Water | NA | | |
| Drilling Method | 3.25" IDA HSA; Boring backfilled upon completion | | | The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. | | | |

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BORING LOG SGB-039 Page 1 of 1

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 702.85 ft
 North: 1793301.16 ft
 East: 1115883.62 ft
 Station: 124+85.03
 Offset: 66.85 RT

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/6 in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-------------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-------------------------|----------|----------------------|
| 701.4 | Very stiff, dark brown CLAY LOAM --TOPSOIL-- Very stiff, brown and black CLAY LOAM, trace ORGANICS | 0 | 1 | 4 5 2 | 2.25 | 28 | | | | | | | |
| | | 1.5 | 2 | 5 5 5 | 3.75 | 25 | | | | | | | |
| | | 3.0 | 3 | 4 4 4 | 3.50 | 34 | | | | | | | |
| 697.1 | Medium stiff, brown and gray CLAY | 3.0 | 4 | 4 5 2 | 0.75 | 28 | | | | | | | |
| 695.1 | Medium stiff, brown and gray SILTY CLAY LOAM | 4.5 | 5 | 4 5 2 | 0.50 | 28 | | | | | | | |
| 693.1 | Hard, brown CLAY | 6.0 | 6 | 4 7 7 | 4.50 | 19 | | | | | | | |
| 690.9 | Boring terminated at 12.00 ft | 12.0 | | | | | | | | | | | |

| | | | | | | | |
|----------------------|--|-------------------|------------|---|-----|--|--|
| GENERAL NOTES | | | | WATER LEVEL DATA | | | |
| Begin Drilling | 12-03-2010 | Complete Drilling | 12-03-2010 | While Drilling | DRY | | |
| Drilling Contractor | WTS | Drill Rig | D-50 ATV | At Completion of Drilling | DRY | | |
| Driller | K&K | Logger | F. Bozga | Time After Drilling | NA | | |
| Checked by | C. Marin | | | Depth to Water | NA | | |
| Drilling Method | 3.25" IDA HSA; Boring backfilled upon completion | | | The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual. | | | |

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URS

Note:
 For retaining wall key plan see sheet 1.
 For typical wall details see sheet 2.
 See individual wall sheets for boring locations.

| | | | | | | | | | | | |
|--|---------------------------|-------------------------------|------------|---|--|---------------------------|---------|--------|--------------|-----------|--|
| FILE NAME = D:\160F05-SHT-Boring\19.dgn | USER NAME = Anthony.Plutz | DESIGNED - WEI | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RETAINING WALL SOIL BORING LOGS | F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | CHECKED - JCE | REVISED - | | | 330 | 103R-3 | COOK | 932 | 596 | |
| | | PLOT SCALE = 0:2.00 '1" / in. | REVISIED - | | | CONTRACT NO. 60F05 | | | | | |
| | | PLOT DATE = 3/12/2013 | REVISIED - | | | SHEET NO. 41 OF 41 SHEETS | | | | | |
| ILLINOIS FED. AID PROJECT | | | | | | | | | | | |